JUL 0 4 2004 OFFICIAL

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

The undersigned, being an attorney of record in the below-identified patents and/or applications hereby grants associate power of attorney to the registered practitioner(s) assigned to **Customer No. 38396** and

John J. Bruckner, Reg. No. 35,816,

each an attorney or agent of the law firm of JOHN BRUCKNER PC, to prosecute the below-identified patent(s) and/or application(s) and to transact all business in the Patent and Trademark Office connected therewith and hereby revokes the associate power of attorney (if any) to Customer No. 25094.

|                |            | <del></del> | · · · · · · · · · · · · · · · · · · · | `          |         |           |
|----------------|------------|-------------|---------------------------------------|------------|---------|-----------|
|                |            |             | *                                     |            |         |           |
|                |            |             |                                       |            |         |           |
|                |            |             | 1                                     |            | 1 .     |           |
|                |            | İ           |                                       |            |         |           |
| 2500940.991120 | UBAT1120   | 346.0       | 08/873,252                            | 11-Jun-97  | 6070200 |           |
| ·              |            | 1           | 00/010,202                            | 11-2011-37 | 6078392 | 20-Jun-00 |
|                | -          |             |                                       | İ          |         |           |
| 2500940.991240 | UBAT1240   | 629.0       | 09/296,143                            | 21-Apr-99  | 6355541 | 12-Mar-02 |
|                |            |             |                                       |            |         |           |
|                |            |             |                                       |            |         |           |
|                |            |             |                                       |            |         |           |
|                |            | 1 .         |                                       |            |         |           |
|                |            |             |                                       |            |         |           |
| 2500940.991250 | UBAT1250   | 665.0       | 60/128,196                            | 7-Apr-99   | NA      | NA        |
| -              |            |             |                                       |            |         |           |
| 2500044        |            |             |                                       |            |         |           |
| 2500940.991160 | UBAT1160   | 0655.0      | 09/404,009                            | 23-Sep-99  | 6603818 | 5-Aug-03  |
|                |            |             |                                       |            |         |           |
| 2500940.991161 | UBAT1160-1 | 0655.2      | 10/002 560                            | 144 05     |         |           |
|                |            | 1 0000.2    | 10/082,568                            | 4-Mar-02   | 6606350 | 12-Aug-03 |

| 1              | i          | i             | ŧ          | 1         |         | 1         |
|----------------|------------|---------------|------------|-----------|---------|-----------|
|                |            |               |            | ,         |         |           |
| 2500940.991162 | UBAT1160-2 | 0655.3        | 10/082,773 | 4-Mar-02  | 6625229 | 23-Sep-03 |
|                |            |               |            |           | 100000  | 20 000 00 |
|                |            |               | -          |           |         |           |
| 2500940.991163 | UBAT1160-3 | 0655.4        | 10/082,569 | 4-Mar-02  | 6621878 | 16-Sep-03 |
|                |            |               |            |           |         |           |
|                |            |               |            | :         |         | ĺ         |
|                |            |               |            |           |         |           |
|                |            |               |            | *         |         |           |
| 2500940.991262 | UBAT1260-2 | 0665,1<br>CIP | 09/368,919 | 5-Aug-99  | 6498349 | 24-Dec-02 |
|                |            |               |            |           | 0430043 | 24-DeC-02 |
|                |            |               |            |           |         |           |
|                |            |               |            |           |         |           |
|                |            |               |            |           |         |           |
|                | ·          |               |            |           |         |           |
| 2500940.991263 | UBAT1260-3 | 665.8         | 10/260,321 | 30-Sep-02 | _       |           |
|                |            |               |            |           |         |           |
| 2500940.991200 | UBAT1200   | 0526.0        | 09/396,997 | 15-Sep-99 | 6344366 | 5-Feb-02  |
| 2500040 004004 |            |               |            |           |         |           |
| 2500940.991201 | UBAT1200-1 | 526.2         | 09/818,465 | 27-Mar-01 | 6555270 | 29-Apr-03 |
|                | *          |               |            |           |         | 99        |
|                |            |               | į          |           |         |           |
| ;              |            |               |            |           |         | ĺ         |
|                | **         |               |            |           |         |           |
| 2500940,991202 | UBAT1200-2 | 526.3         | 09/818,490 | 27-Mar-01 | 6562518 | 13-May-03 |
| * /            |            |               |            |           |         |           |
| ļ              |            |               |            |           | ]       |           |
| 2500940.991100 | UBAT1100   | 663.0         | 09/398,347 | 17-Sep-99 | 6509808 | 21-Jan-03 |
|                |            |               |            |           |         |           |
|                |            |               |            |           |         |           |
|                |            |               |            |           |         |           |
|                |            |               | ļ          | Í         |         |           |
| 2500940.991101 | UBAT1100-1 | 663.1         | 09/837,891 | 18-Apr-01 | 6579393 | 17-Jun-03 |

|                |            |        | *          |           |         |           |
|----------------|------------|--------|------------|-----------|---------|-----------|
|                |            |        |            |           |         |           |
| 2500940.991130 | UBAT1130   | 720.0  | 09/397,153 | 15-Sep-99 | 6455844 | 5-Sep-02  |
|                |            |        |            |           |         |           |
| 2500940.991190 | UBAT1190   | 732.0  | 09/449,844 | 26-Nov-99 | abandon | abandon   |
|                |            |        |            |           |         |           |
| 2500940.991191 | UBAT1190-1 | 732.1  | 09/997,600 | 28-Nov-01 |         |           |
| 2500940.991270 | UBAT1270   | 303.0  | 09/396,998 | 15-Sep-99 | 6259374 | 10-Ju⊦01  |
| 2500940.991180 | UBAT1180   | 725.0  | 09/395,378 | 14-Sep-99 | 6313479 | 6-Nov-01  |
| 2500940,991181 | UBAT1180-1 | 725.1  | 09/816,698 | 23-Mar-01 | abandon | abandon   |
| 2500940.991280 | UBAT1280   | 517.0  | 09/461,566 | 14-Dec-99 | 6436339 | 20-Aug-02 |
| 2500940.991121 | UBAT1120-1 | 777.0  | 09/477,267 | 4-Jan-00  | 6525821 | 25-Feb-03 |
| 2500940,991122 | UBAT1120-2 | 777.3  | 10/166,859 | 11-Jun-02 |         |           |
| 2500940.991123 | UBAT1120-3 | 777.10 | 10/421,448 | 23-Apr-03 |         |           |
| 2500940,991290 | UBAT1290   | 538.0  | 09/576,401 | 29-Sep-00 | 6556942 | 29-Apr-03 |
| 2500940.991300 | UBAT1300   | 678.0  | 09/671,636 | 27-Sep-00 |         |           |
| 2500940.991210 | UBAT1210   | 842.1  | 09/810,531 | 15-Mar-01 | 6692324 | 17-Feb-04 |

| 1              | ı           | ı      | 1          | i          | 1          | ,            |
|----------------|-------------|--------|------------|------------|------------|--------------|
|                |             |        |            |            |            |              |
|                |             |        |            |            |            |              |
| 2500940.991310 | UBAT1310    | 903.0  | 09/795,660 | 27-Feb-01  | 6649431    | 18-Nov-03    |
|                |             |        |            |            |            |              |
|                |             |        |            |            | 1          |              |
| 2500940.991311 | UBAT1310-1  | 903.2  | 10/715 057 | 17 Nov. 02 |            |              |
| 2300070.331077 | 05/(1010-1  | 303.2  | 10/715,057 | 17-Nov-03  |            |              |
| 2500940.991170 | UBAT1170    | 923.0  | 10/036,189 | 27-Dec-01  | 6617580    | 9-Sep-03     |
|                |             |        |            |            |            |              |
| 2500940.991140 | UBAT1140    | 909.0  | 09/860,841 | 17-May-01  | 6563893    | 13-May-03    |
| 2500940.991141 | UBAT1140-1  | 909.2  | 10/304,338 | 26-Nov-02  |            |              |
|                |             |        |            |            |            |              |
| 2500940.991320 | UBAT1320    | 866.0  | 09/939,303 | 24-Aug-01_ | 6744518    | 1-Jun-04     |
|                |             |        |            |            | [          |              |
|                |             |        |            |            |            |              |
| 2500940.991330 | UBAT1330    | 880.0  | 09/938,843 | 24-Aug-01  | 6744518    | 1-Jun-04     |
|                |             |        |            |            |            |              |
| 2500940.991470 | UBAT1470    | 915.0  | 10/226,164 | 22-Aug-02  | 6578054    | 13-Jan-04    |
|                |             |        |            |            |            |              |
| 2500940.991110 | UBAT1110    | 912.0  | 10/817,759 | 31-Dec-03  |            |              |
| 2000 10.001110 | OLD (11710  | 312.0  | 10/017,733 | 31-12-03   |            |              |
|                |             |        |            |            |            |              |
| 2500940.991340 | UBAT1340    | 978.0  | 60/322,929 | 18-Sep-01  | NA         | NA           |
|                |             |        |            |            | !          |              |
| 2500040 001241 | LIDAT1240 1 | 079.4  | 00/004 770 | 25.5 24    |            |              |
| 2500940.991341 | UBAT1340-1  | 978.1  | 09/964,270 | 26-Sep-01  |            | issue fee    |
| 2500940.991150 | UBAT1150    | 0994.0 | 09/999,187 | 30-Nov-01  | will issue | paid June 18 |
|                |             |        |            |            |            |              |
|                |             |        |            |            |            |              |
| 2500940.991350 | UBAT1350    | 1021.0 | 10/068,795 | 6-Feb-02   |            |              |
|                |             |        |            |            | V          |              |
| 2500940.991360 | UBAT1360    | 060.0  | 60/203 780 | 25 145 24  |            |              |
| 2000340,331300 | UDATIOU     | 960.0  | 60/293,780 | 25-May-01  |            |              |
|                |             |        |            | ē          |            |              |
| 2500940.991361 | UBAT1360-1  | 960.1  | 10/155,841 | 24-May-02  |            |              |

| 1               | F          |       |            |                         |                 |                |
|-----------------|------------|-------|------------|-------------------------|-----------------|----------------|
|                 |            |       |            |                         |                 | 1              |
|                 |            |       |            |                         | '               |                |
| 2500940.991362  | UBAT1360-2 | 960.3 | 10/681,565 | 8-Oct-03                |                 |                |
|                 |            |       |            |                         |                 |                |
| ].              |            |       | 1          |                         | issue fee       |                |
| 2500940.991370  | UBAT1370   | 965.0 | 10/234,044 | 3-Sep-02                | paid Jan.<br>29 |                |
|                 |            |       |            |                         | 1               | <del></del>    |
| 2500940.991380  | UBAT1380   | 966.0 | 10/234,043 | 3 Can 03                |                 |                |
|                 | 00/11/1000 | 300.0 | 10/234,043 | 3-Sep-02                |                 | <del> </del>   |
|                 |            | j .   | ·          |                         |                 |                |
| 2500940.991390  | UBAT1390   | 967.0 | 10/224 042 | 2 0 02                  |                 | ]              |
|                 | 05/11/050  | 307.0 | 10/234,042 | 3-Sep-02                | <del> </del>    | <del> </del>   |
|                 | ·          | ]     |            |                         |                 |                |
| 2500940.991400  | UBAT1400   | 929.0 | 101240 570 | 00 1 00                 |                 |                |
| 2555 75.55 1700 | 05/11/400  | 323.0 | 10/349,579 | 23-Jan-03               | <del> </del>    |                |
|                 |            |       |            | -                       |                 |                |
| 2500940.991420  | UBAT1420   | 076.0 | 10/720 440 |                         |                 |                |
| 2500340.531420  | OBA11420   | 976.0 | 10/726,446 | 3-Dec-03                |                 | <del> </del> - |
|                 |            |       |            |                         |                 | ļ              |
| 2500940.991430  | LIBAT1420  | 077.0 | 40700 475  |                         | *               |                |
| 2500940.991430  | UBAT1430   | 977.0 | 10/726,475 | 3-Dec-03                | ·               |                |
|                 |            |       |            |                         |                 |                |
| 2500940.991440  | UBAT1440   | 679.0 | 09/653,788 | 1-Sep-00                |                 |                |
|                 | •          |       |            |                         |                 |                |
| 2500940.991441  | UBAT1440-1 | 679.6 | 10/722,274 | 25-Nov-03               |                 |                |
|                 |            |       | -          |                         |                 |                |
|                 |            | ·     |            | 9/1/00                  |                 |                |
| 2500940.991450  | UBAT1450   | 656.0 | 09/653,394 | (12/18/00<br>effective) | abandon         | abandon        |
|                 |            |       |            |                         |                 |                |
|                 |            |       | }          |                         | ļ               |                |
| 2500940.991451  | UBAT1450-1 | 656.2 | 09/942,308 | _29-Aug-01              |                 |                |
|                 |            |       |            |                         |                 |                |
| 2500940.991460  | UBAT1460   | 642.0 | 09/660,743 | 13.500.00               | 6744000         | 1 hu= 04       |
|                 | 02311400   | 042.0 | 03/000,743 | 13-Sep-00               | 6744806         | 1-Jun-04       |
|                 |            | 1     |            |                         |                 |                |
| 2500940.991480  | UBAT1480   | 544.0 | 09/406,280 | 24-S <del>o</del> ρ-99  | 6533733         | 18-Mar-03      |
|                 |            | - 1   |            |                         |                 |                |
| 2500940.991481  | UBAT1480-1 | 544.6 | 10/374,928 | 24-Feb-03               |                 |                |
|                 |            |       |            |                         |                 |                |
|                 |            | - 22- | ļ          | Ì                       |                 |                |
|                 |            |       |            |                         |                 |                |
| 2500940,991490  | UBAT1490   | 933.0 | 10/421,444 | 23-Apr-03               |                 |                |

| 1              | 1          |        |            |           |    |              |
|----------------|------------|--------|------------|-----------|----|--------------|
|                |            |        |            |           |    |              |
|                | İ          |        |            |           |    |              |
| 2500940.991491 | 1/04744004 |        |            |           |    |              |
| 2500940.991491 | UBAT1490-1 | 933.1  | 10/607,824 | 27-Jun-03 |    |              |
|                |            |        |            |           |    |              |
| 2500940.991492 | UBAT1490-2 | 933.2  | 10/507.040 |           | }  | ļ            |
| 2300310.391492 | OBA11490-2 | 933.2  | 10/607,840 | 27-Jun-03 |    | <del> </del> |
|                |            |        | j          |           |    |              |
|                |            |        |            |           |    |              |
| 2500040 004500 |            |        |            |           |    |              |
| 2500940.991500 | UBAT1500   | 1199.0 | 10/408,294 | 7-Apr-03  |    |              |
|                |            |        |            |           |    |              |
| 2500940.991510 | UBAT1510   | 1224.0 | 401040.054 | 22.4      |    |              |
| 2500340.531510 | 08411910   | 1224.0 | 10/649,251 | 26-Aug-03 |    |              |
|                |            |        |            |           |    |              |
|                |            |        |            |           |    |              |
| 2500940.991520 | UBAT1520   | 1225.0 | 10/649,474 | 26-Aug-03 |    |              |
|                |            |        |            |           |    |              |
| 2500940.991530 | UBAT1530   | 1208.0 | 10/716,770 | 19-Nov-03 |    |              |
|                |            |        |            |           | l. |              |
| 2500940.991540 | UBAT1540   | 1244.0 | 10/770,857 | 3-Feb-04  |    |              |
|                |            |        |            | 7         |    |              |
|                |            |        |            |           |    |              |
|                |            |        |            |           |    |              |
|                | e .        | İ      |            |           |    |              |
|                |            |        |            |           |    |              |
| 2500940.991550 | UBAT1550   | 1261.0 | 10/774,699 | 9-Feb-04  |    |              |
|                |            |        |            |           |    |              |
|                |            |        |            |           |    |              |
|                |            |        |            |           |    |              |
|                |            | }      |            |           |    | *            |
|                |            | Į      |            |           |    |              |
| 2500940.991560 | UBAT1560   | 1353.0 | 10/840,092 | 6-May-04  |    |              |
|                |            |        |            |           |    |              |
|                |            |        | ,          |           | ** |              |
|                |            |        | •          |           | ł  |              |
| ].             | HI         |        | •          |           | ŀ  |              |
|                | ,          |        |            |           | ·  | 9            |
| 2500940.991570 | UBAT1570   | 1356.0 | 10/840,553 | 6-May-04  |    | ·            |

Please direct all telephone calls to John Bruckner at 512-694-9145. Please send all correspondence to:

John J. Bruckner JOHN BRUCKNER PC 5708 Back Bay Lane Austin, TX 78739-1723

Date: 66-25-64

Respectfully submitted,

George L. Craig Registration No. 29/293 UT-Battelle, L.L.C.

P.O. Box 2008

Oak Ridge, TN 37831-8243